



University of Essex

School of Mathematics, Statistics
and Actuarial Science

CAPSTONE PROJECT DISSERTATION

YOUR PROJECT TITLE HERE

YOUR NAME HERE

Supervisor: **YOUR SUPERVISOR NAME HERE**

August 22, 2023
Colchester

Contents

1	Introduction	3
2	Your first main chapter	5
2.1	Your first section of the first main chapter	5
3	Conclusions	6

Introduction

The first chapter of a Capstone document is usually an overview of what you've done. Often, it is the last chapter you will write.

Theorem 1.1. *Sometimes, you will want to state the main results of your document in the introduction.*

Remark 1.2. LaTeX is clever, and automatically generates numbers for theorems, remarks and anything else you might want to label. You can give these an invisible name using `\label{your-key}` and referring back to it later using `\ref{your-key}`, for example the following number will be the same as the theorem above: Theorem [1.1](#).

Similarly, you will want to reference external sources as you write your document. The basic way to do this is to add `\bibitem{your-chosen-key}`s at the end of your document (this template has three examples), and use `\cite{your-chosen-key}` to refer to it. For instance, if I wanted to cite the example document by Noether, I can write [2].

Mathematics is added using dollar signs for in-line math, i.e. $x^2 + y^2 = z^2$, or by using open-bracket close-bracket for a displayed equation.

$$c^2 = a^2 + b^2 - 2ab \cos \theta.$$

Ordered lists are written using the `enumerate` environment:

1. Hello.

2. This is the second item in my list.

I can also write unordered lists using `itemize`:

- Hello.
- This is now the second item in my list.

Your first main chapter

Here is the meat of your document

2.1 Your first section of the first main chapter

... goes here.

Conclusions

And here is the final chapter showing how clever you are

Bibliography

- [1] E. Noether. Invariante Variationsprobleme. *Nachr. d. König. Gesellsch. d. Wiss. zu Göttingen, Math-phys. Klasse*, Seite 235-157, 1918.
- [2] A. M. Turing. Computing machinery and intelligence. *Mind*, 59:433–460, 1950.
- [3] J. Fakename. Name of book or article goes here. *Journal name*, page numbers, year, other specific info.